ND8322P

Embedded Plug & Play NVR

8x PoE Ports · 2x HDD · Auto Setup · Auto Adaptive Stream · Hardware Decoding · HDMI/VGA Monitor Display

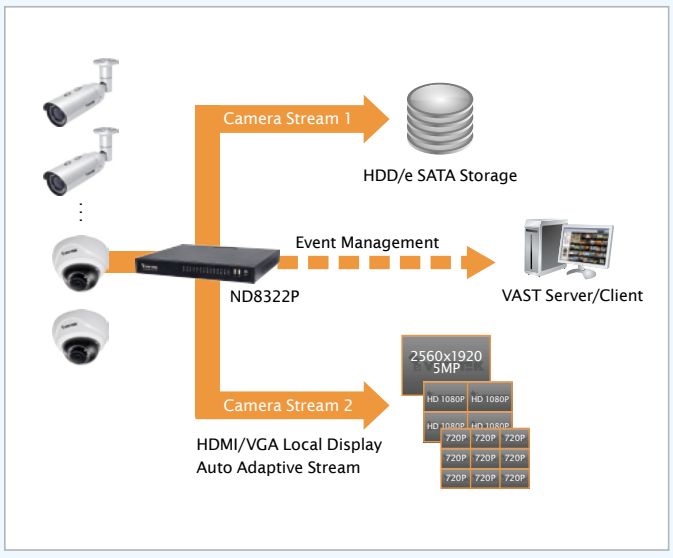
VIVOTEK ND8322P is a Linux embedded 8-CH standalone NVR with 8-port 802.3af Compliant PoE, allowing connection with PoE cameras for a max. 80 W power supply. ND8322P also features "One Button Setup" with its plug-&-play and auto-setup functionality, making this advanced unit surprisingly simple to install, and suitable for any small-scale video surveillance applications.

Supporting HDMI and VGA local video output, users can control the GUI OSD interface via mouse & keyboard, eliminating the need for a separate PC to search video or to playback from the NVR. The new local display design - Auto Adaptive Stream will dynamically modify Stream 2 resolution of a camera to best fit the display resolution according to the layout type, resulting in an efficient display, while maintaining superb image quality. What's more, ND8322P, featuring various I/O ports, such as eSATA port, alarm input/output, RS232, and RS485 provides users great flexibility of applications.

With VAST CMS, users can set up IP surveillance system with ease. For remote and mobile access, VIVOTEK also provides iViewer, for both iOS and Android handheld devices, enabling users to monitor live video anytime, anywhere.

Key Features

- 8x 802.3af Compliant PoE Ports
- 8-CH Live Viewing
  (Not support dewarp function from fisheye cameras)
- 1-CH Local Playback, 4-CH Remote Synchronous Playback
- Embedded Linux OS
- Support 1080P/720P Resolution
- HDMI/VGA Local Video Output
- Plug & Play Auto Setup
- Auto Adaptive Stream for Efficient Display
- Support Local Rewind
- VIVOTEK Camera Configuration Integrated
- EZConnect by Scanning QR Code for 24/7 Mobile Viewing
- Fanless Design



ND8322P Application Scenario

Convenience Store

Restaurant

Clothing Store

Supermarket

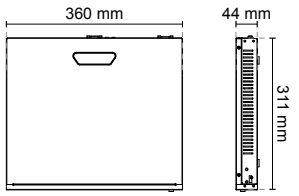
Hardware Information

Model	ND8322P
System	
OS	Embedded Linux
CPU	ARM Processor
Flash	256MB
RAM	1GB
Watchdog	Hardware + Software
Power Restoration	System Restart Automatically after Power Recovery
Storage	
HDD Devices	Internal x2
HDD Max. Capacity	6TB x2
Disk Management	Create, Format and Remove Disk HDD S.M.A.R.T
Video	
Video Output	1 x HDMI, 1 x VGA
Resolution	1920 x 1080, 1280 x 720
Graphics Decoder	Hardware decoding
Decording Capacity	H.264: 2560 x 1920 @ 30 fps (1-CH) 1920 x 1080 @ 120 fps (4-CH) 1280 x 720 @ 240 fps (8-CH)
Camera Position	Change the viewcell position on the Live View screens
External Interface	
USB Interface	Front: 2 (USB 2.0) Back: 1 (USB 2.0)
Alarm In	8
Alarm Out	4
Audio	1 x 3.5 Phone Jack Audio Output 1 x 3.5 Phone Jack Audio Input (Reserved)
External HDD	1 x eSATA Port
RS232	1 Port (Reserved)
RS485	1 Port (Reserved)
Network	
Network Interface	1 x RJ-45 10/100/1000Mbps Ethernet interface
PoE	8x 802.3af Compliant PoE Ports (Total Max. 80W)
Protocols	IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter
Power	
Power Input	DC56V 2.5A
Power Consumption	Max. 120W
LED Indicator	
LED Indicator	Power, Status, Record, HDD1, HDD2, eSATA, Ethernet, Port1~Port8
Mechanic	
Form Factor	Desktop
Opateration Buttons	Power (Front) / Reset (Back)
Dimensions	360 mm (W) x 311 mm (D) x 44 mm (H)
Weight	2.7 kg (without HDD)
Operating Temperature	0˚C ~ 40˚C (32˚F ~ 104˚F)
Humidity	0~95%
General	
Safety Certifications	CE, LVD, FCC, VCCI, C-Tick
Warranty	24 months
Client PC Requirements	
Operating System	Microsoft Windows OS: XP/Vista/7/8/2008/2012
CPU	Intel Celeron or above
Memory	2 GB or above
Ethenet	10/100Mbps
Display Resolution	1024 x 768 pixels or above
Web Browser	Internet Explorer 10 (32 bit) or above
Software AP	Installation Wizard 2, ST7501, VAST
Mobile APP, Tablet APP	EZconnect, iViewer (iOS) EZconnect, iViewer (Android)
Accessories	
CD	User's Manual, Quick Installation Guide (QIG), Installation Wizard 2
Others	Power Adapter, Power Cord, Quick Installation Guide, 16 x H.D.D. Screws, 4 x H.D.D. Brackets, 1 x USB Mouse, 2 x SATA Cables

Software Information

Record	
Maximum Channel	8
Record Throughput (MB)	64 Mbps
Network Throughput (MB)	48 Mbps
Audio Format	G.711, G.726
Video Format	MJPEG, H.264
Video Resolution	VGA, 1MP, 2MP, 3MP & 5MP Camera
Recording Time (sec.)	Pre-Record: 5 (max. 10) Post-Record: 20 (max. 300)
Recording Stream	Single
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming
Recording Setting	Recycle (unit: Day)
Recording Path	Local Path
Record Video Format	3GP
LiveView (Local Display)	
Stream Application	Auto Adaptive Stream
LiveView Display	8 Channel Multi Layout display: 1x1, 1x3 (Corridor View), 2x2, 3x3, 1+5, 1+3, 1+1+3 (1P), 1+3+3 (1P) *Not support dewarp function from fisheye cameras
Monitor Enhancement	OSD Display (NVR), OSD Display (Camera), Camera Information, Remote I/O Control, Event Notification, Aspect Ratio
PTZ Control	Panel Control
PTZ Operation	Direction Control, Home, Iris, Preset, Patrol (Group), PiP Control
Playback (Local Display)	
Playback Display	1 Channel Multi Layout Display: 1x1
Playback Control	Regular (Play, Pause, Stop), Rewind, Next / Previous Frame, Speed Control, Calendar, Event, Timeline, Timeline Scale, Thumbnail (Storyboard)
Video Search	By calendar, by date/time, by alarm
Thumbnail Explorer (Storyboard)	Listing the thumbnail of recorded video (Max. 2 CH)
Monitor Enhancement	OSD Display (Camera), Event Notification, Aspect Ratio, PiP Control
Snapshot	JPEG
Video Clip Export	EXE
LiveView (Remote)	
Stream Application	Stream Selection
Audio Capability	One Way
LiveView Display	8 Channel Multi Layout display: 1x1, 2x2, 3x3, 1+3, 1+5
Monitor Enhancement	OSD Display (NVR), Drag & Drop, Image Freeze, Audio Control, Remote I/O Control, Event Notification, Bookmark
PTZ Control	Panel Control
PTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), PiP Control
Snapshot	JPEG
Playback (Remote)	
Playback Display	4 Channel Multi Layout display: 1x1, 2x2, 1+3
Playback Control	Regular (Play, Pause, Stop), Next Frame, Speed Control, Calendar, Timeline, Timeline Scale, Bookmark
Monitor Enhancement	OSD Display (NVR), Drag & Drop, Audio Control, PiP Control
Snapshot	JPEG
Video Clip Export	EXE
Alarm Management	
Schedule Type	Continuous, Schedule, Manual
Event	Motion Detection, PIR Detection, Tampering Detection, Digital Input (Camera), Digital Output (Camera), Connection Abnormal, Storage Abnormal, Storage Full, Camera Network Loss, DI, DO
Action	Record, Email (Text), Email (Snapshot), FTP, Buzzer, PTZ Control (Go to Preset), NVR DO, Camera DO
Recording Time (sec.)	Pre-Record: 5 (max. 10), Post-Record: 20 (max. 300)
Backup	
Manual	USB Dongle (FAT Format)
System	
User Management	User Account: 10 User Account Time Limit: 10 mins User Level: Administrator / Regular User User Feature Definition: By Camera
Log	System, Recording, User, Error
Date&Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Firmware	Manual update
Restore Default	Supported
Backup/Restore (Configuration)	Supported
Language	English, French, German, Italian, Japanese, Portuguese, Russian, Spanish, Simplified Chinese, Traditional Chinese, Korean, Czech
Camera Intergration	
Insert Camera	Manual, Search
Video (Media) Setting	Compression, Resolution, FPS, Video Quality
Image Setting	Image Display Image Adjustment
PTZ Control	Panel Control
PTZ Operation	Direction Control, Home, Preset, Patrol (Group)
Motion Detection	Supported
Device Intergration	
UPS	APC Model Compatible

Dimensions



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